

ROLLING MILL

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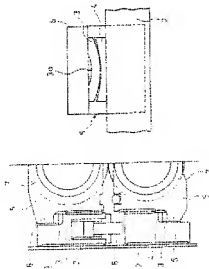
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Abstract of JP 60257910 (A)

PURPOSE: To alleviate a local stress caused in a journal box and a deviated load caused to a bearing inside journal box by providing a hollowing part on the plane surface of a locker plate arranged between a journal box of working roll and beam.

CONSTITUTION: The upper and lower beams 2 arranged in a roller housing 1 are brought into contact with the edge part 6 of a work roll journal box 5 via locker plates 3, 4. A hollowing part 3a is provided over the necessary range at the central part of the plane surface abutting with the edge part 6 of the journal box of the locker plate 3.

When a bending load is acted on a work roll 7, the roll 7 is bent and the journal box 5 is inclined with following. At this moment the locker plate 3 is slid for the locker plate 4. The generation of deviated load is thus alleviated for the bearing with the shaft box 5 following easily the bent of the roll 7. A stress is also not centered at the center of the edge part 6 but dispersed uniformly and the generation of a local concentration of stress for the journal box 5 is relieved.



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